Fig.1.

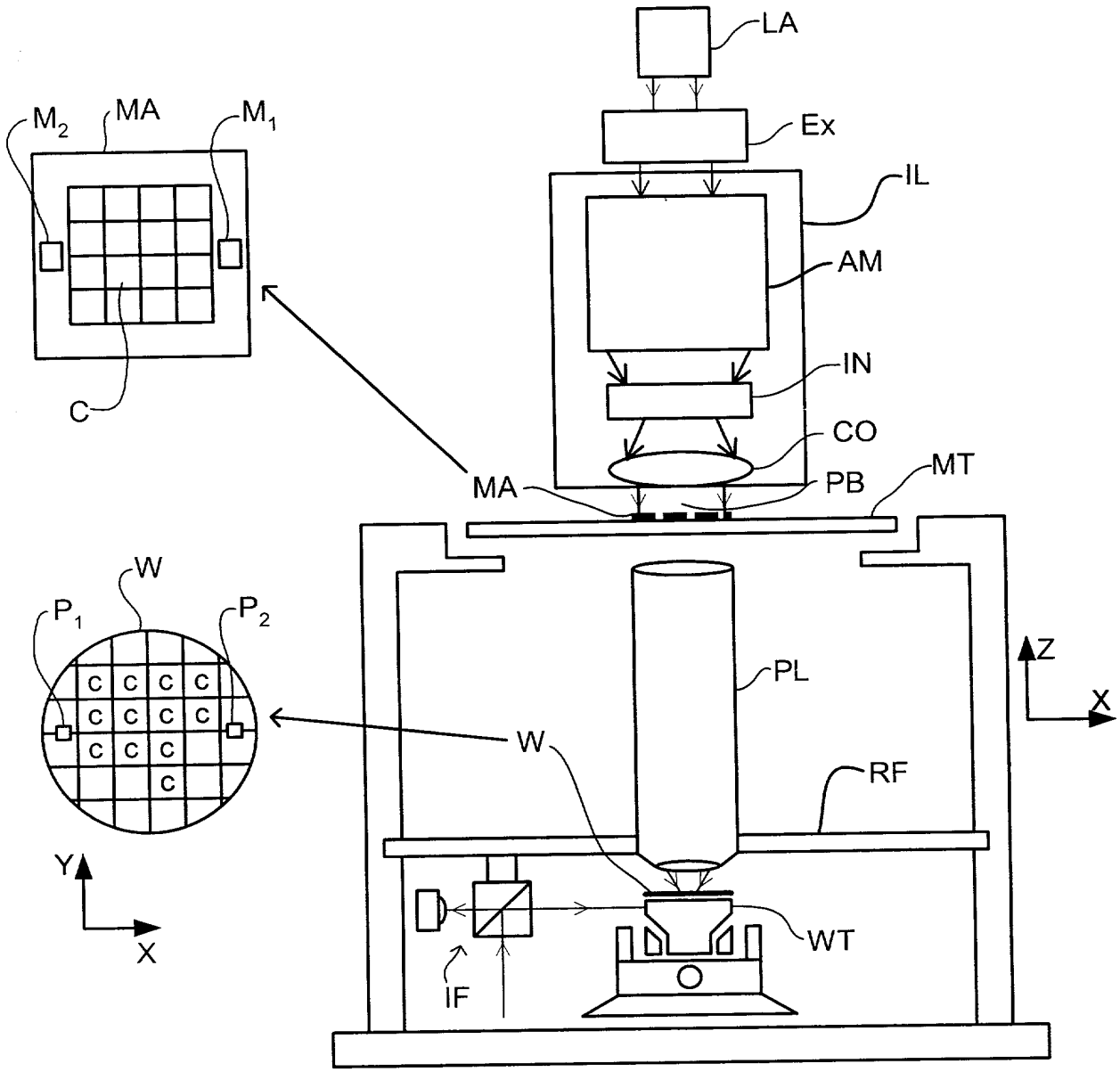

Fig.2.

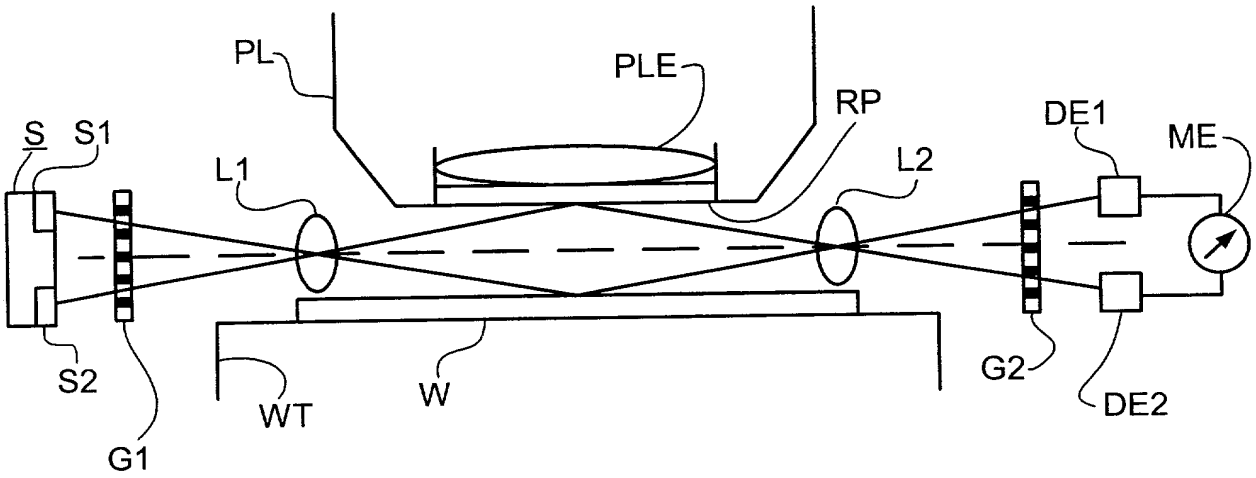
PL
PLE
RP
DE1
ME
S
S1
L1
L2
S2
G1
WT
W
G2
DE2

Fig.3.

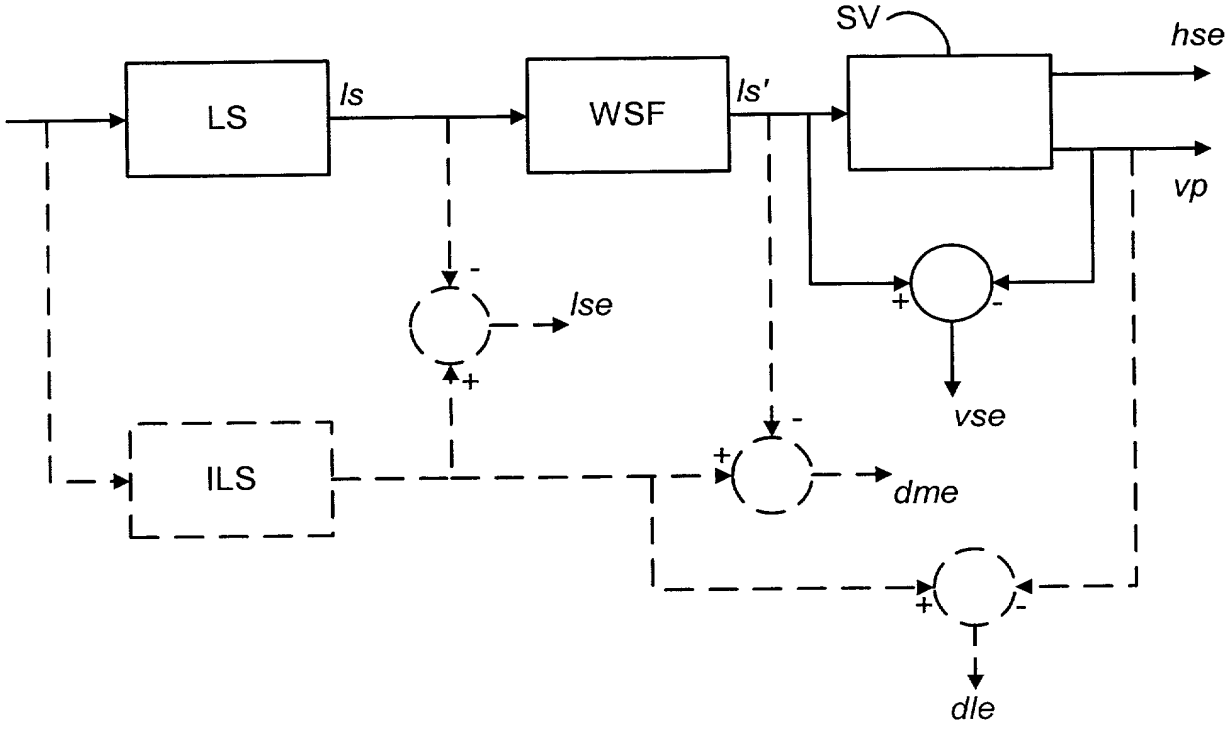
SV
hse
LS
ls
WSF
ls'
vp
lse
vse
ILS
dme
dle

Fig.4.

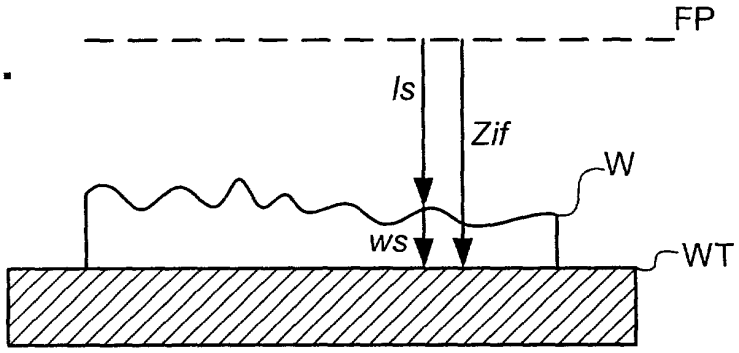

Fig.5.

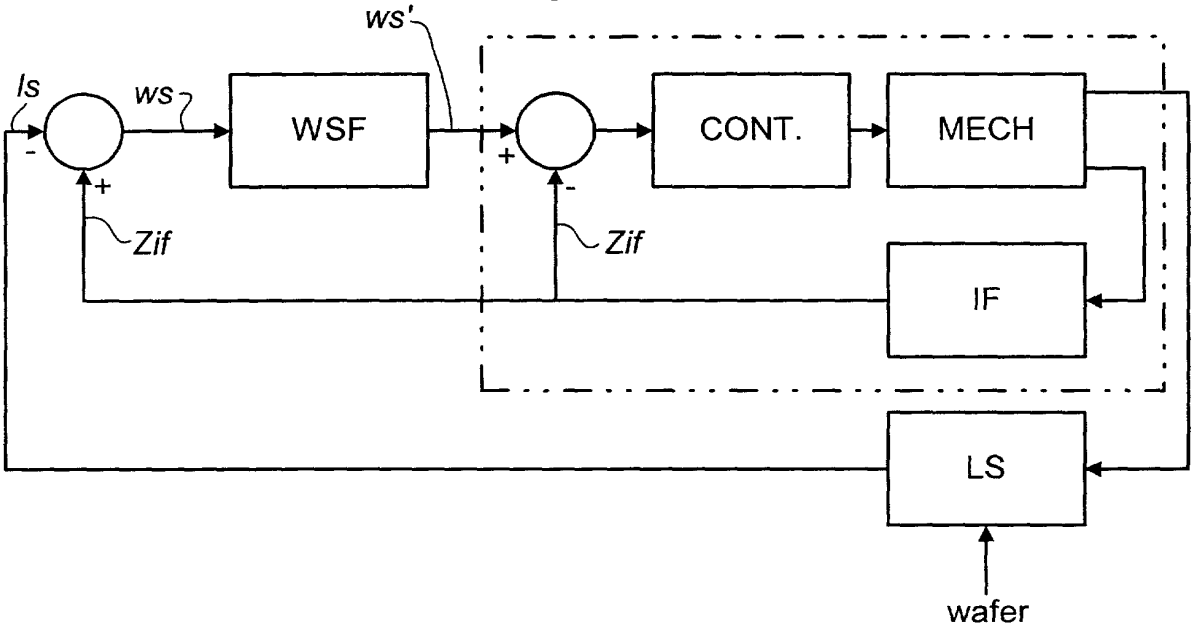

Fig.6.

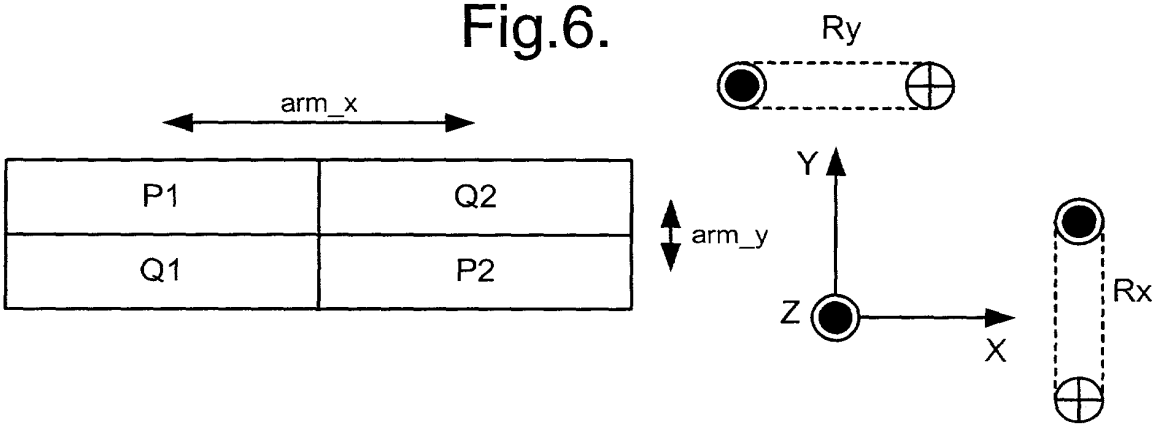

Fig.7.

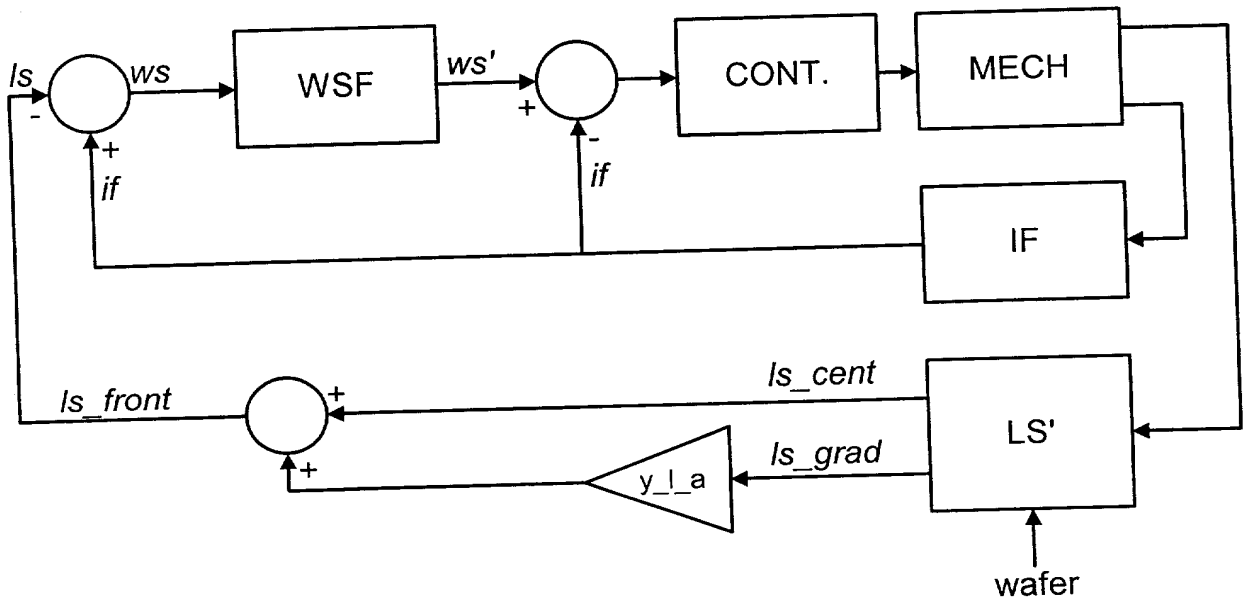
ls
ws
WSF
ws'
CONT.
MECH
if
if
IF
ls_front
ls_cent
LS'
ls_grad
y_l_a
wafer

Fig.8.

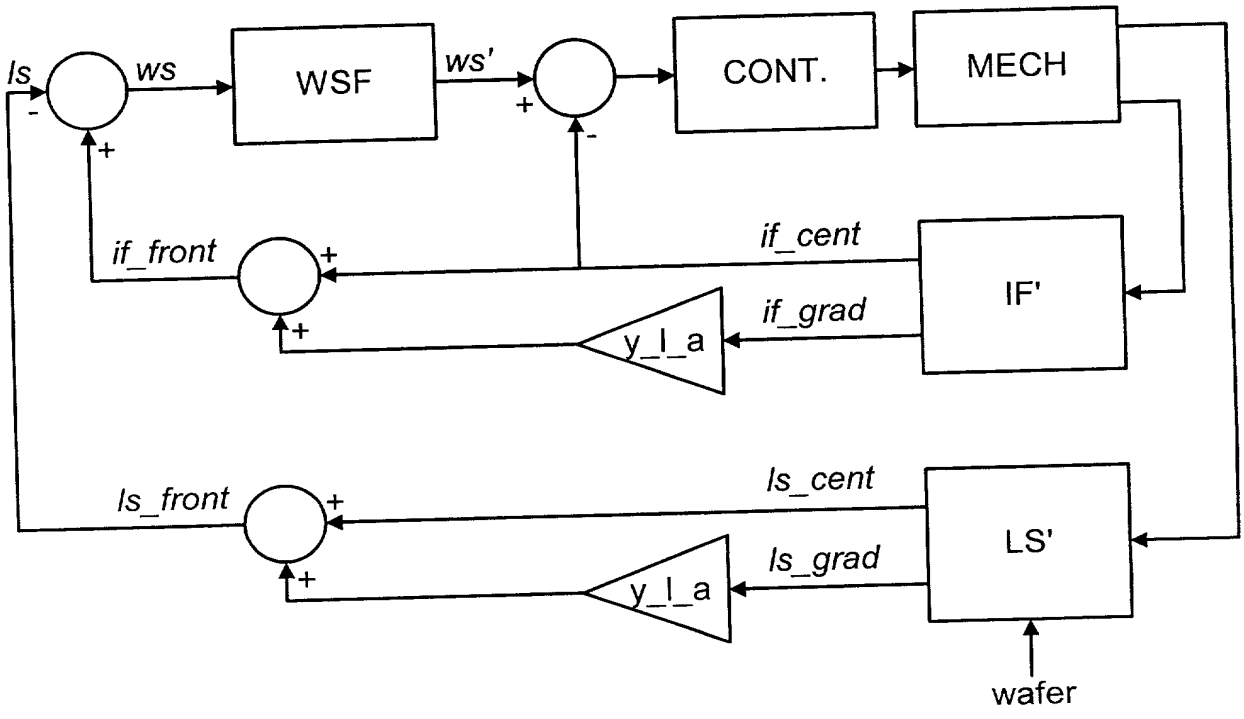
ls
ws
WSF
ws'
CONT.
MECH
if_front
if_cent
IF'
if_grad
y_l_a
ls_front
ls_cent
LS'
ls_grad
y_l_a
wafer

Fig.9.

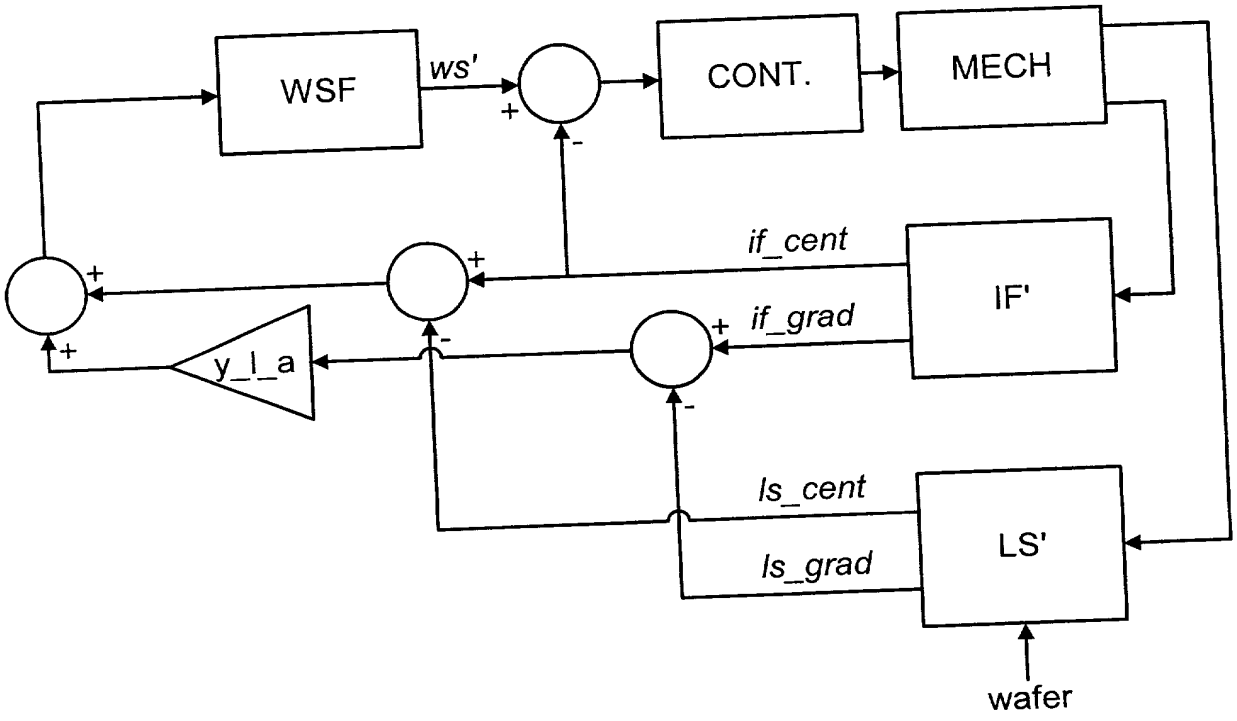
WSF
ws'
CONT.
MECH
if_cent
IF'
if_grad
y_l_a
ls_cent
LS'
ls_grad
wafer

Fig.10.

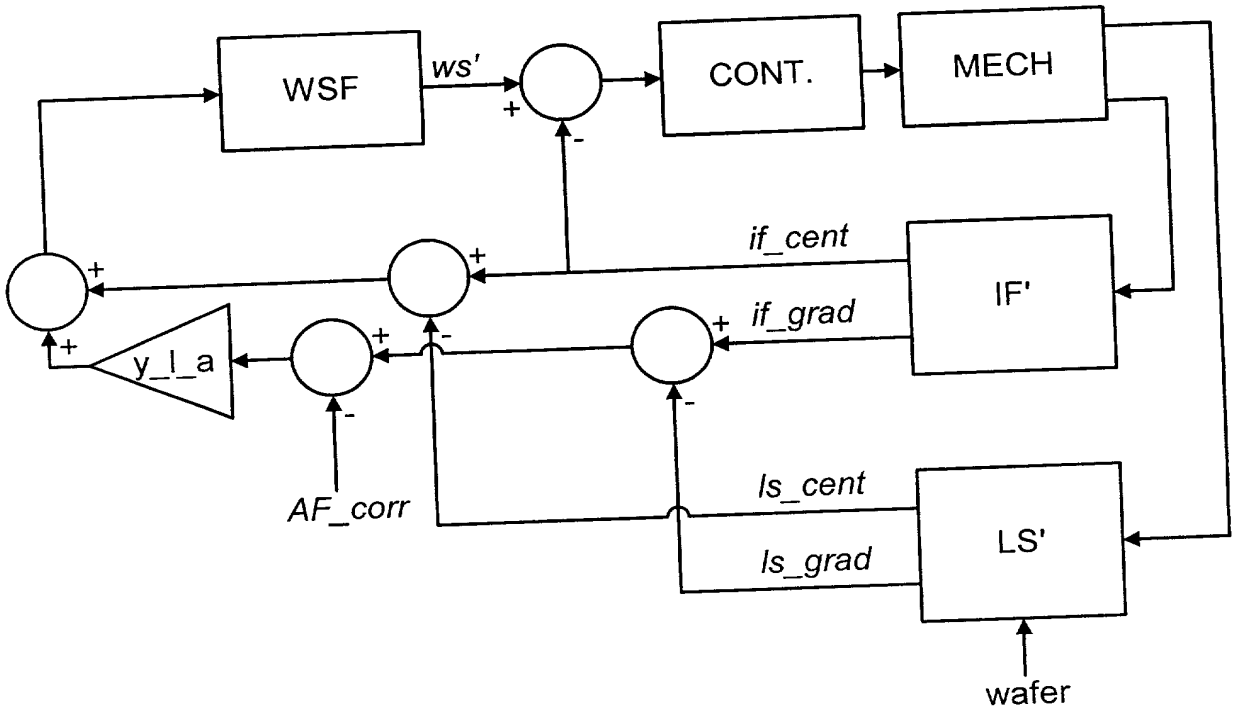
WSF
ws'
CONT.
MECH
if_cent
IF'
if_grad
y_l_a
AF_corr
ls_cent
LS'
ls_grad
wafer

Fig.11a.

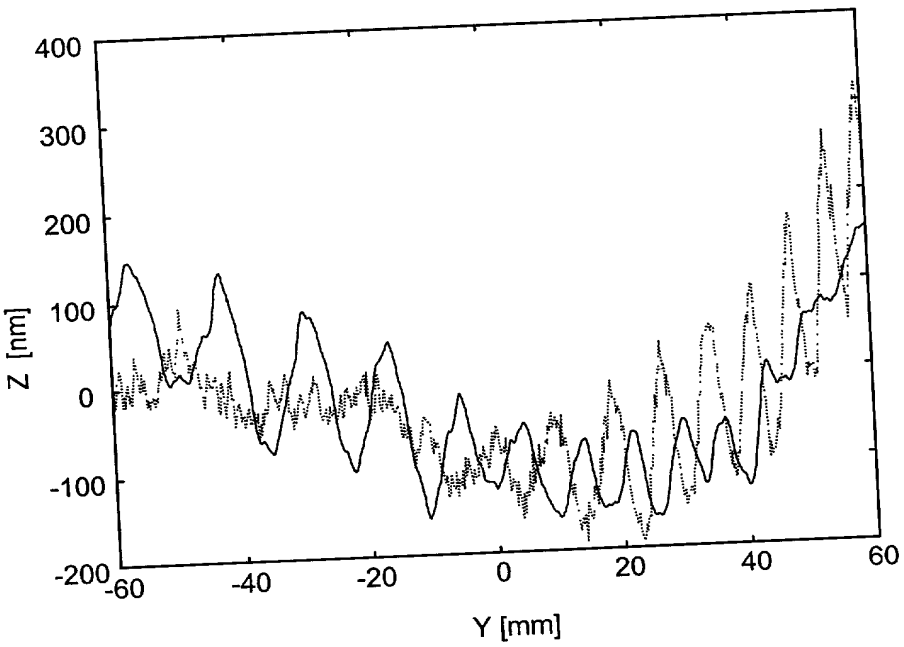

Fig.11b.

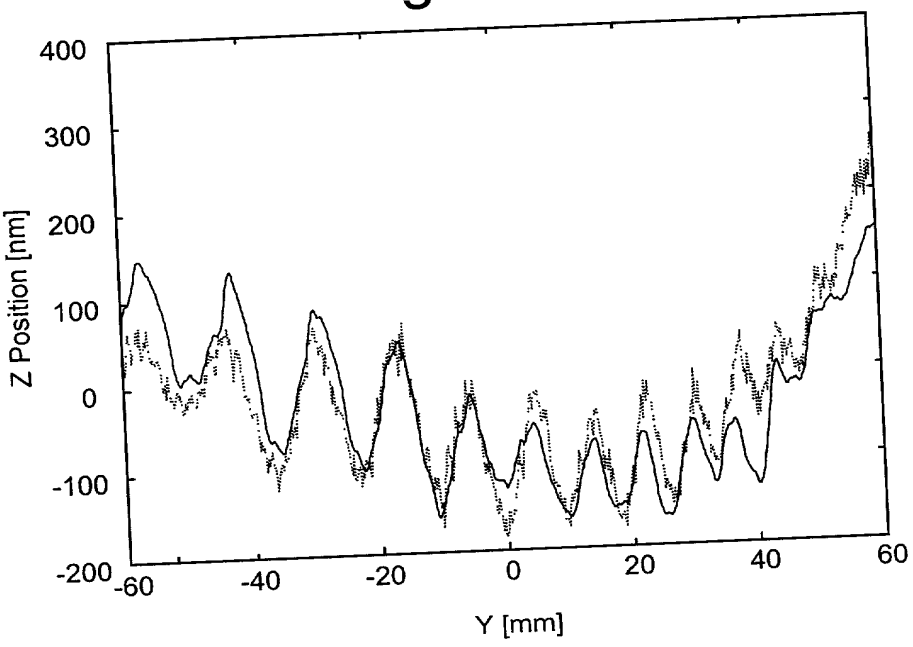

Fig.12a.

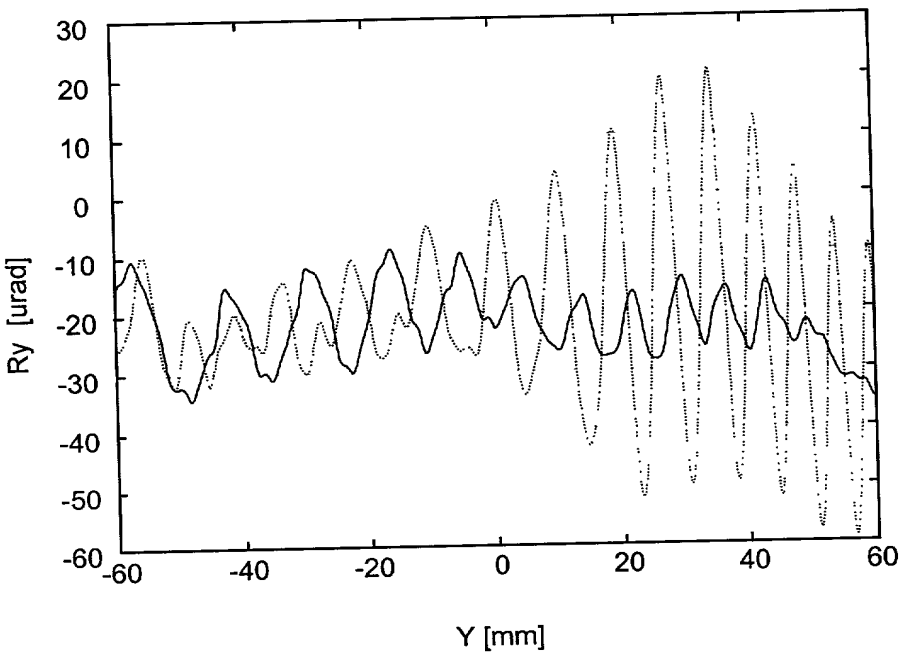

Fig.12b.

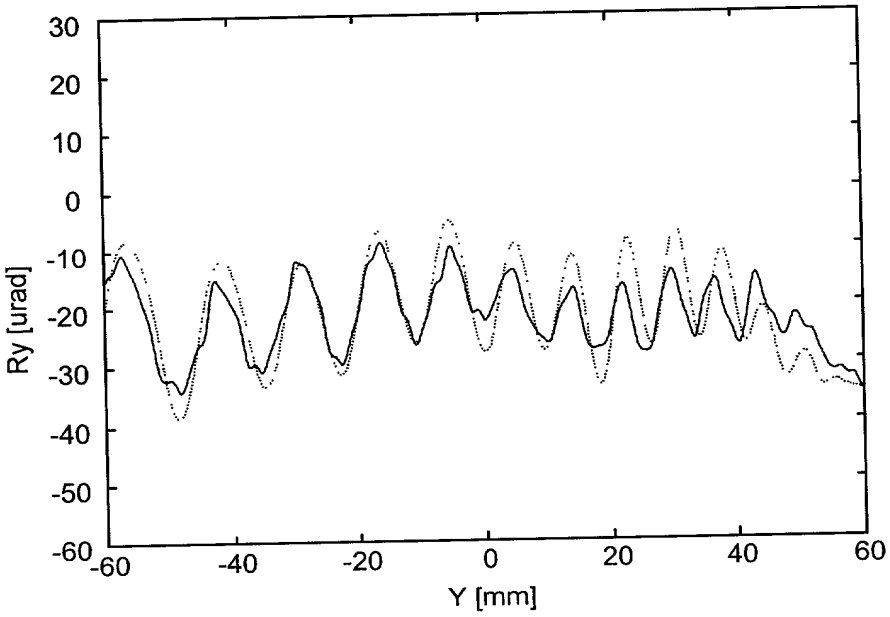

Fig.13a.

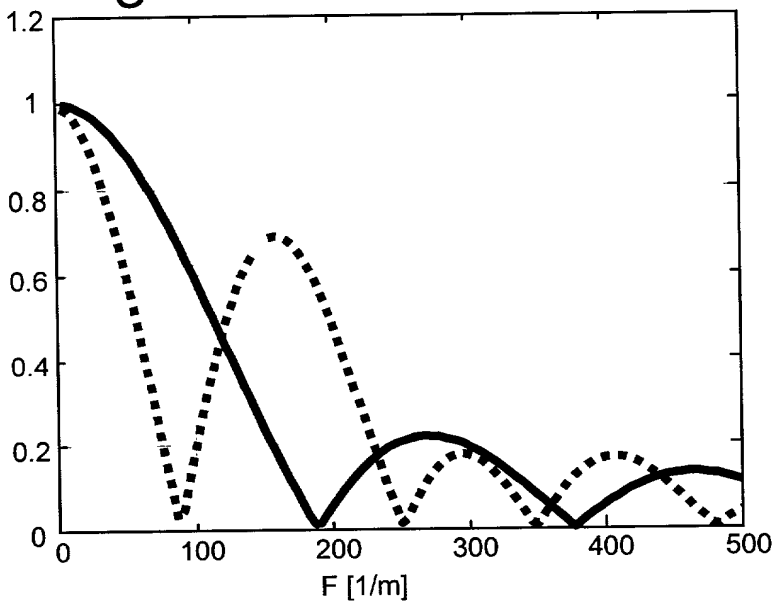

Fig.13b.

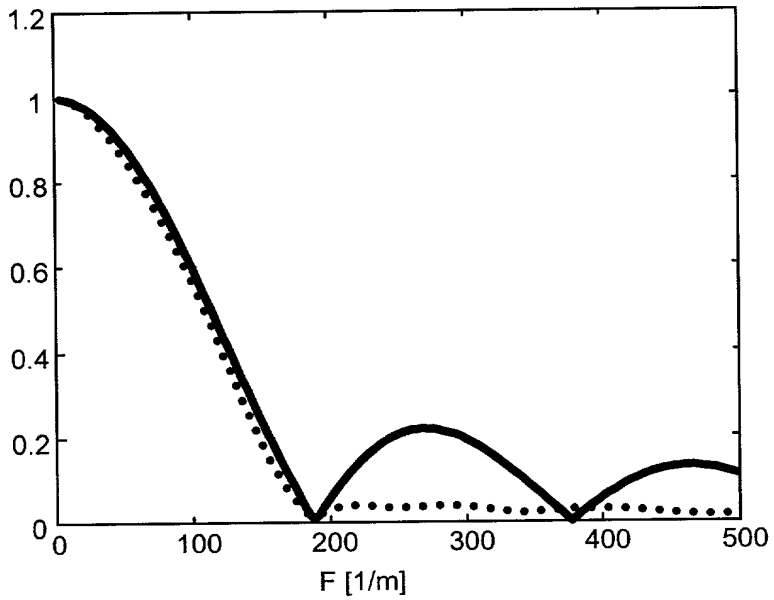

Fig.14a.

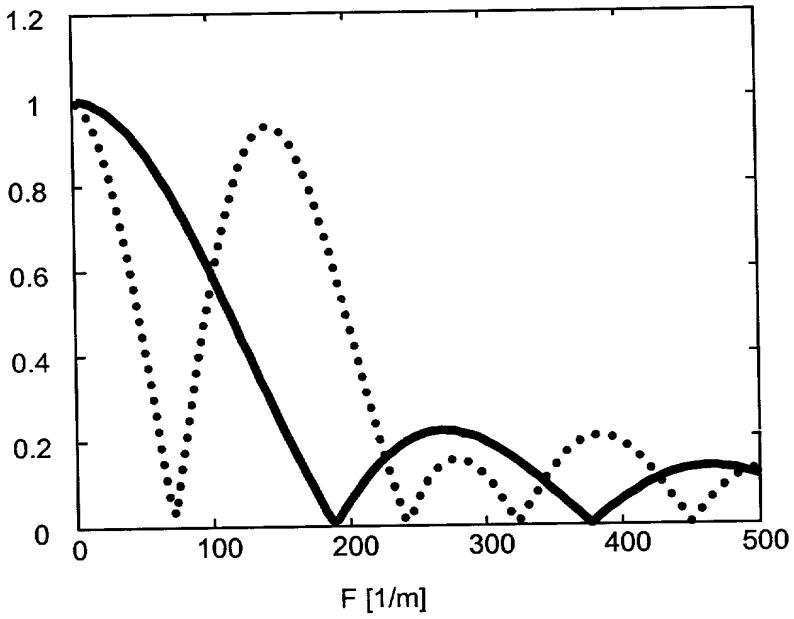

Fig.14b.

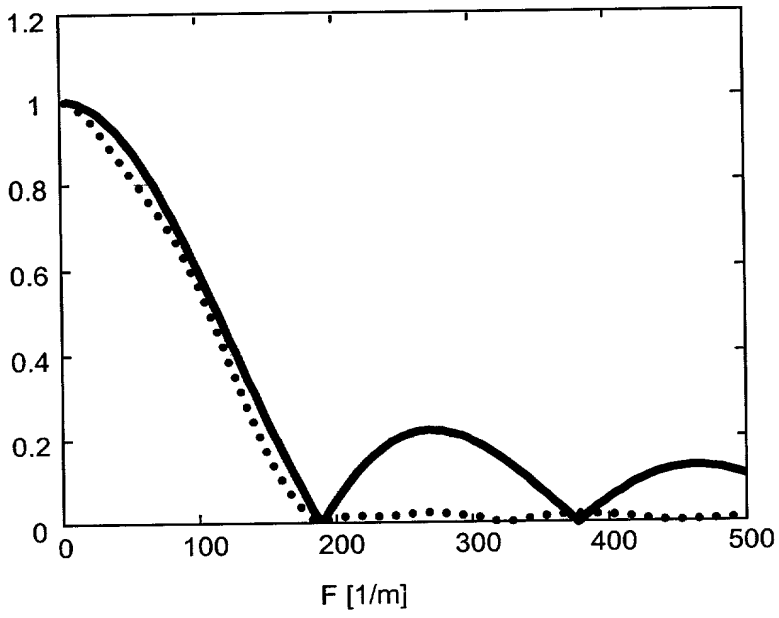

Fig.15.

		Example 1			Example 2		
Z							
y_l_a		2.8 mm			2.8 mm		
wsf		notch 1	notch 2	notch 3	notch 1	notch 2	notch 3
	zero f [Hz]	47	1000	nu	47	1000	nu
	zero damp	0.01	0.1		0.01	0.1	
	pole f [Hz]	40	50		40	50	
	pole damp	0.8	0.7		0.8	0.7	
Ry							
y_l_a		3.5 mm			3.5 mm		
wsf		notch 1	notch 2	notch 3	notch 1	notch 2	notch 3
	zero f [Hz]	47	1000	nu	47	1000	nu
	zero damp	0.01	0.1		0.01	0.1	
	pole f [Hz]	35	50		35	50	
	pole damp	1	0.7		1	0.7	
Rx							
y_l_a		na			na		
wsf		notch 1	notch 2	notch 3	notch 1	notch 2	notch 3
	zero f [Hz]	nu	nu	nu	30		
	zero damp				0.1		
	pole f [Hz]				30		
	pole damp				0.55		